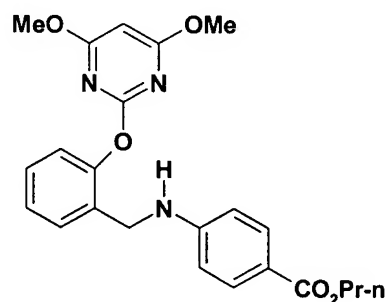


CLAIMS

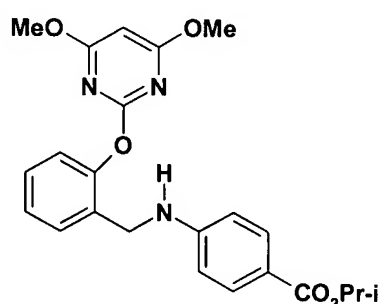
I/We claim:

[c1] 1. A herbicidal composition, comprising, as active ingredient, a pyrimidinyl benzylamine herbicide and at least one herbicide selected from a group consisting of acetyl-CoA carboxylase (ACCase) inhibitors, chloroamide herbicides, ethametsulfuron, and benazolin, said pyrimidinyl benzylamine herbicide is Pyribambenz-propyl or Pyribambenz-isopropyl with the following structures.



Pyribambenz-propyl

Propyl 4-({2-[(4,6-dimethoxypyrimidin-2-yl)oxy]benzyl}amino)benzoate



Pyribambenz-isopropyl

isopropyl 4-({2-[(4,6-dimethoxypyrimidin-2-yl)oxy]benzyl}amino)benzoate

[c2] 2. The composition according to Claim 1, wherein the pyrimidinyl benzylamine herbicide and one or two herbicide(s) selected from the group consisting of acetyl-CoA carboxylase inhibitors, chloroamide herbicides, ethametsulfuron and benazolin are used together as the active ingredient.

[c3] 3. The composition according to Claim 1, wherein said acetyl-CoA carboxylase inhibitor is selected from a group consisting of quizalofop-ethyl, fluazifop-p-butyl, haloxyfop, fenoxaprop, and sethoxydim, and said chloroamide herbicide is selected from a group consisting of acetochlor, alachlor, napropamide, ehaprochlor, and metolachlor.

[c4] 4. The composition according to Claim 1 or 3, comprising 5% ~ 95% by weight of the pyrimidinyl benzylamine herbicide and at least one herbicide selected from a group consisting of acetyl-CoA carboxylase inhibitors, chloroamide herbicides, ethametsulfuron, and benazolin the as the active ingredient based on the weight of the composition, and a balance of acceptable herbicide carriers.

[c5] 5. The composition according to Claim 1 or 3, comprising 10% ~ 90% by weight of the pyrimidinyl benzylamine herbicide and at least one herbicide selected from a group consisting of acetyl-CoA carboxylase inhibitors, chloroamide herbicides, ethametsulfuron, and benazolinthe as the active ingredient based on the weight of the composition, and a balance of acceptable herbicide carriers.

[c6] 6. The composition according to Claim 1, wherein the ratio of the pyrimidinyl benzylamine herbicide to the ACCase inhibitor is 1:0.01~10.0 by the weight of the active ingredient; the ratio of the pyrimidinyl benzylamine herbicide to ethametsulfuron is 1:0.01~10.0 by the weight of the active ingredient; the ratio of the pyrimidinyl benzylamine herbicide to benazolin is 1:1~20 by the weight of the active ingredient; and the ratio of the pyrimidinyl benzylamine herbicide to the chloroamide herbicide is 1:1~40 by the weight of the active ingredient.

[c7] 7. The composition according to Claim 1, wherein the active ingredient is in a form of ternary formulation, the ratios of three herbicides as effective components are as follows: the pyrimidinyl benzylamine herbicide to ACCase inhibitor to ethametsulfuron is 1:0.01~10.0:0.01~10.0 based on the weight of the active ingredient; the pyrimidinyl benzylamine herbicide to ACCase inhibitor to benazolin is 1:0.01~10.0:1.0~20.0 based on the weight of the active ingredient; and the pyrimidinyl benzylamine herbicide to chloroamide herbicide to benazolin is 1:1.0~40.0:1.0~20.0 based on the weight of the active ingredient.

[c8] 8. The composition according to Claim 1, wherein, the ratio of pyrimidinyl benzylamine herbicide to ACCase inhibitor is 1:0.01~5.0 based on the weight of the active ingredient, the ratio of pyrimidinyl benzylamine herbicide to ethametsulfuron is 1:0.01~5.0 based on the weight of the active ingredient, the ratio of pyrimidinyl benzylamine herbicide to benazolin is 1:1~10 based on the weight of the active ingredient, the ratio of pyrimidinyl benzylamine herbicide to chloroamide herbicide is 1:1~20 based on the weight of the active ingredient; and

in the case that the active ingredient is in a form of ternary formulation, the ratio of pyrimidinyl benzylamine herbicide to ACCase inhibitor to ethametsulfuron is 1 : 0.01~5.0 : 0.01~5.0 based on the weight of the active ingredient, the ratio of pyrimidinyl benzylamine herbicide to ACCase inhibitor to benazolin is 1: 0.01~5.0: 1.0 ~10.0 based on the weight of the active ingredient, and the ratio of pyrimidinyl benzylamine to chloroamide herbicide to benazolin is 1:1.0~20.0:1.0~10.0 based on the weight of the active ingredient.

[c9] 9. The composition according to Claim 1, wherein, the ratio of pyrimidinyl benzylamine herbicides to ACCase inhibitors is 1:0.1~2.0 based on the weight of the active ingredient, the ratio of pyrimidinyl benzylamine herbicides to ethametsulfuron is 1: 0.1~0.5 based on the weight of the active ingredient, the ratio of pyrimidinyl benzylamine herbicides to benazolin is 1:5~10 based on the weight of the active ingredient, the ratio of pyrimidinyl benzylamine herbicides to chloroamide herbicides is 1:5~20 based on the weight of the active ingredient; and

in the case that the active ingredient is in a form of ternary formulation, the ratio of pyrimidinyl benzylamine herbicides to ACCase inhibitors to ethametsulfuron is 1:0.1~2.0:0.1~0.5 based on the weight of the active ingredient, the ratio of pyrimidinyl benzylamine herbicides to ACCase inhibitors to benazolin is 1 : 0.01~10.0 : 5.0~10.0 based on the weight of the active ingredient, and the ratio of pyrimidinyl benzylamine

herbicides to chloroamide herbicides to benazolin is 1: 5.0~20.0: 5.0~10.0 based on the weight of the active ingredient.

[c10] 10. The composition according to Claim 1, wherein the composition comprises at least two carriers, and one of which is a surfactant.

[c11] 11. The composition according to Claim 1, wherein the composition is formulated into liquors, emulsions, suspensions, aqueous suspension concentrate, micro-emulsion, emulsion, powder preparations, wettable powder, water soluble powder, granule or capsules.

[c12] 12. A process of weed control, comprising a step of employing the composition of Claim 1 as a chemical herbicide in effective dosage to control weeds.

[c13] 13. The process according to Claim 11, comprising a step of employing the composition of Claim 1 in rape field in effective dosage to control grass weeds and broadleaf weeds.